

Claims: Cancel all claims of record and substitute new claims 21 to 31 as follows.

The invention I claim is:

21. A device for preheating oil for a multi oil burner, comprising of:

a body made of thermally conductive material having an oil passageway means of conveying an oil and a liquid passageway means of conveying a heated liquid, and

an oil pump means of communicating said oil which is operatively connected to said oil and said oil passageway, and

a liquid pump means of communicating said heated liquid which is operatively connected to said heated liquid and said liquid passageway,

whereby said heated liquid is communicated via said liquid pump and conveyed through said liquid passageway and said oil is communicated via said oil pump and conveyed through said oil passageway, and

whereby heat energy is conductively transferred from said heated liquid through said body to said oil thus heating and lowering the viscosity of said oil providing an enlarged means of said oil to be atomized by said nozzle and incinerated with said multi oil burner.

22. The device of claim 21 wherein said body further includes a nozzle means of atomizing said oil operatively connected to said body and said oil passageway.

23. The device of claim 21 wherein said body further includes an air passageway means of conveying compressed air through said body and provides an enlarged means of utilizing an air atomizing nozzle, versus a high pressure atomizing nozzle, for spraying and atomizing said oil.

24. The device of claim 21 wherein said body is constructed of material having a predetermined cross sectional shape and length causing it to be of sufficient capacity as need be to properly operate in various applications.

25. An oil preheat device for a multi oil burner, comprising of;

a body made of thermally conductive material having an oil passageway means of conveying said oil and a liquid passageway means of conveying a heated liquid, and